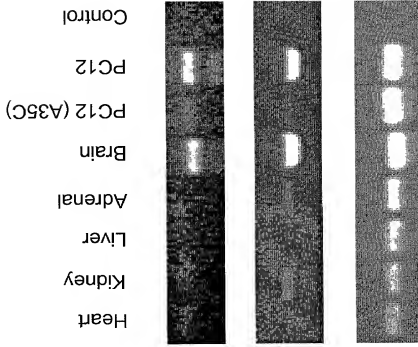
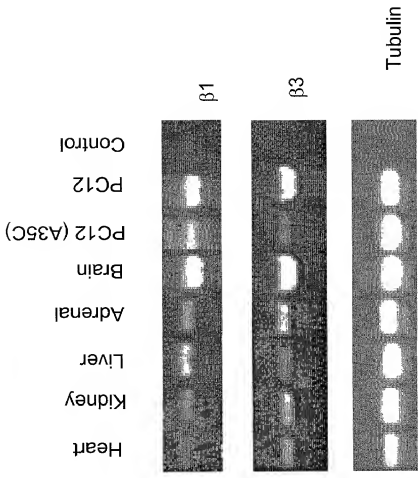


Figure 1

human beta 3 ORF	(1)	ATGCCCTGCCCTCAATAGATTGTTTCCCCCTGGCTTCTCTGGTGCCTATCTA	
Rat Beta 3 ORF	(1)	ATGCCCTGCCCTCAACAGATTGCTTCCCTAGCTTCTCTAGTGCCTATCTA	
Consensus	(1)	ATGCCCTGCCCTCAA AGATTG TCCCTC GTTCTCT GTGCT ATCTA	100
human beta 3 ORF	(51)	CTGGGTCAGTGTCTGCTTCCCTGTGTGTGTGGAAAGTGCCTCGAGAGACG	100
Rat Beta 3 ORF	(51)	CTGGGTCAGAGTCTGCTTCCCTGTGTGTGTGGAAAGTGCCTCGAGAGACG	100
Consensus	(51)	CTGGGTCAG GTTCTGCTTCCCTGTGTGTGTGGAAAGTGCCTCGAGAGAC G	101
human beta 3 ORF	(101)	AGGCCGTGCAGGGCAACCCCATGAAGCTGGCTGCATCTCTCTGCATGAAG	150
Rat Beta 3 ORF	(101)	AAGCGGTGCAGGGCAATCCCATGAAGCTGAGGTGCATCTCTCGATGAAG	150
Consensus	(101)	A GC GTGCAGGGCAA CCCATGAAGCTG G TGATCTCTCTGCATGAAG	151
human beta 3 ORF	(151)	AGAGAGGAGGTGGAGGCCACCAAGCTGTGGTGAATGGTCTACAGGGCCGA	200
Rat Beta 3 ORF	(151)	AGGAGGAGGTGGAGGCCACCAAGCTGTGGTGAATGGTCTACAGGGCCGA	200
Consensus	(151)	AG GAGGAGGTGGAGGCCACCAAG GTGGTGA TGGTCTACAGGGCC GA	201
human beta 3 ORF	(201)	GGGCGGTAAAGATTTCCTTATTTACGAGTATCGGAATGGCCACGAGAGG	250
Rat Beta 3 ORF	(201)	GGGCGGTAAAGATTTCCTTATATATAGTATCGGAATGGCCACGAGAGG	250
Consensus	(201)	GGGCGGTAAAGATTTCCTTAT TA GAGTATCGGAATGGCCACGAGGA G	251
human beta 3 ORF	(251)	TGGAGAGCCCCCTTCAGGGCGCCCTGCAGTGGAAATGGCAGCAAGGACCTG	300
Rat Beta 3 ORF	(251)	TGGAGAGCCCCCTTCAAGGGCGCTCTGCAGTGGAAATGGGAGCAAGGACCTG	300
Consensus	(251)	TGGAGAGCCCCCTT CA GG CG CTGCAGTGGAAATGG AGCAA GACCTG	301
human beta 3 ORF	(301)	CAGGAGCTGTCCATCACTGTGCTCAACCTCACTCTGAACGACCTGTGGCCT	350
Rat Beta 3 ORF	(301)	CAGGAGCTATCCATCACTGTACTCAATGTCACTTGAATCACTCTGGCCT	350
Consensus	(301)	CAGGAGCT TCCATCACTGT CTCAA GTCACT TGAA GACTCTGGCCT	351
human beta 3 ORF	(351)	CTACACCTGCAATGTGTCCTGGGAGTTTGAGTTTGAGGCGCATCGGCCCT	400
Rat Beta 3 ORF	(351)	CTACACATGCAATGTGTCCTGGGAGTTTGCAATTCGAGGCACACAGGCCCT	400
Consensus	(351)	CTACAC TGCAATGTGTCC GGGAGTT GA TT GAGGC CA GGCC T	401
human beta 3 ORF	(401)	TGTGAAGACGAGCGCGCTGATCCCTTAAGAGTCAACGAGGAGGCTGGA	450
Rat Beta 3 ORF	(401)	TGTGAAGACGAGCGCGCTGATCCCTTAAGAGTCAACGAGGAGGCTGGA	450
Consensus	(401)	TGTGAAGAC ACG G CTGAT CC T GAGTCAC GA GAGGC GGA	451
human beta 3 ORF	(451)	GAGGACTTCACCTCTGTGTGCTCAGAAATCATGATGTACATCTCTCTGGT	500
Rat Beta 3 ORF	(451)	GAGGACTTCACCTCTGTGTGCTCAGAAATCATGATGTACATCTCTCTGGT	500
Consensus	(451)	GA GACTTCACCTC GTGTCTC GAAATCATGATGTACATCT CTGGT	501
human beta 3 ORF	(501)	CTTCTCAACCTGTGGCTGTCTATCGAGATGATATTGCTACAGAAAGG	550
Rat Beta 3 ORF	(501)	CTTCTCAACCTGTGGCTGTCTATTGAGATGATATTGCTACAGAAAGG	550
Consensus	(501)	CTTCTCAACC TGTGGCTG T AT GAGATGAT TATTGCTACAGAAAGG	551
human beta 3 ORF	(551)	TCTCAAAGCCGAGAGGCGAGCCCAAGAAACGCGTCTGACTACCTTGTCC	600
Rat Beta 3 ORF	(551)	TCTCAAAGCCGAGAGGCGAGCCCAAGAAATGCGTCTGACTACCTTGTCC	600
Consensus	(551)	TCTC AA CCGAAGAGGCGAG CA GAAA CGCTCTGACTACCTTGTCC	601
human beta 3 ORF	(601)	ATCCCTCTGAGAACAGGAGAACTCTGCGGTACCTGTGGAGGAATAG	648
Rat Beta 3 ORF	(601)	ATCCCTCTGAGAACAGGAGAACTCTGCGGTACCTGTGGAGGAATAG	648
Consensus	(601)	ATCCC TC GAGAACAGGAGAACTCTG GTTACC GTGGAGGAATA	601



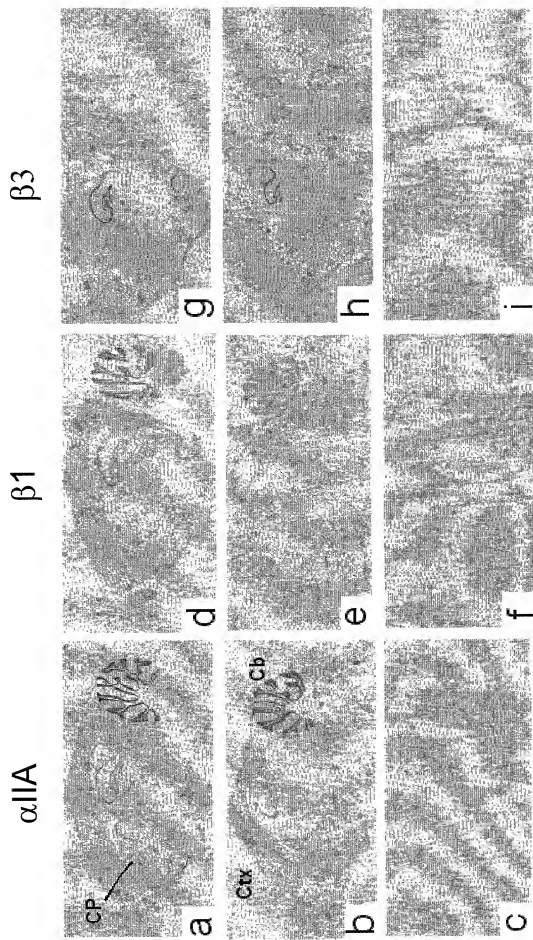
0.5 ng cDNA



5 ng cDNA

**Figure 2**

Figure 3



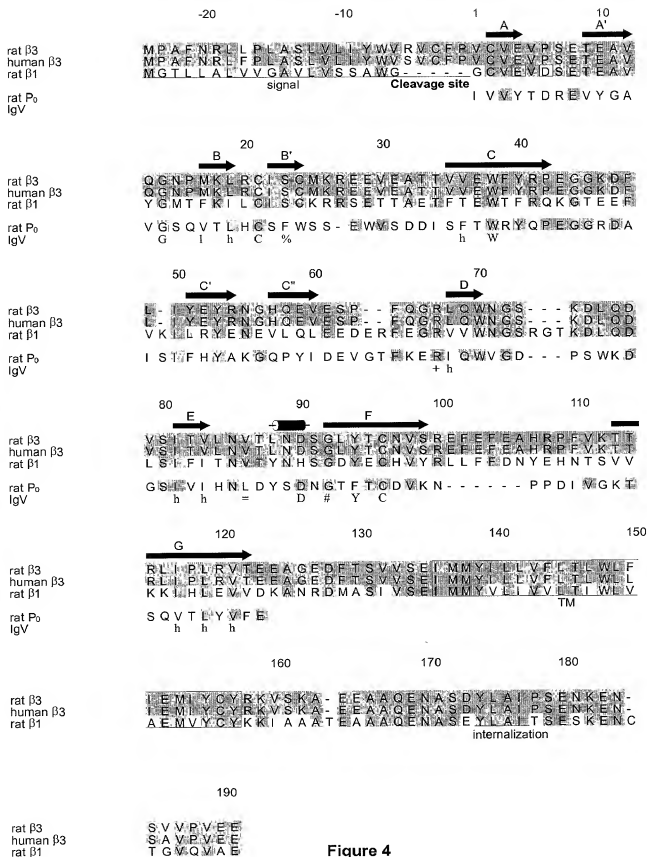


Figure 4

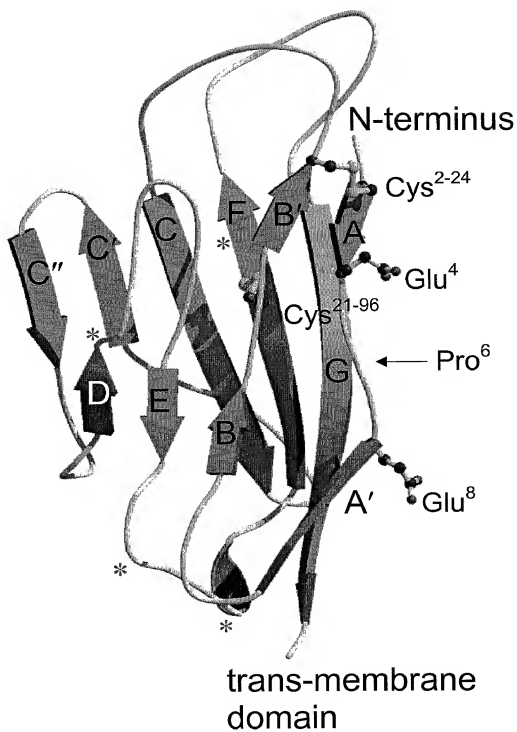
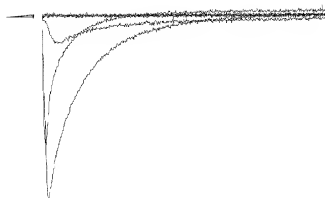


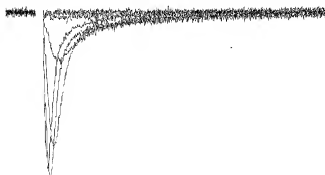
Figure 5

Figure 6

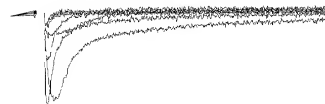
a

 $\alpha-2$ 

b

 $\alpha-2 + \beta-1$ 

c

 $\alpha-2 + \beta-3$ 

100 nA



30

0997579.69564

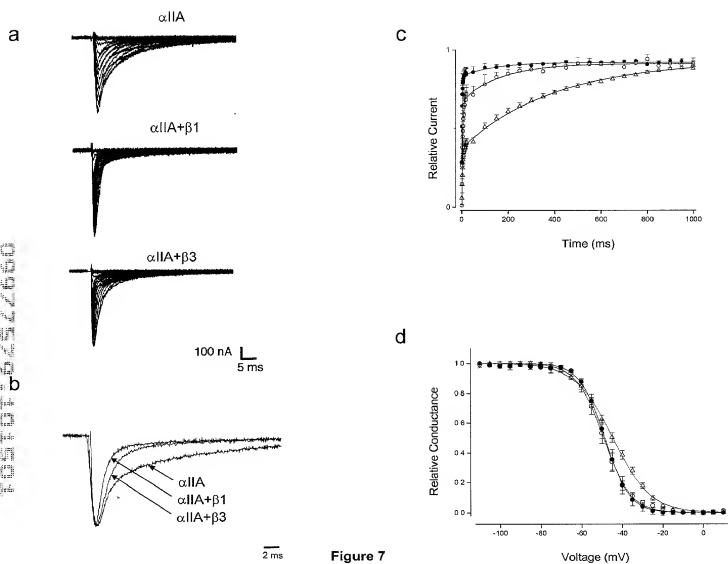


Figure 7

Δ:  $\alpha\text{IIA}$   
 ●:  $\alpha\text{IIA}+\beta 1$   
 ○:  $\alpha\text{IIA}+\beta 3$